To: Naranjo, Eugenia[Naranjo.Eugenia@epa.gov]
Cc: Kristen Durocher[Kristen.Durocher@AECOM.com]; Laura Kelmar[Laura.Kelmar@AECOM.com]; Robert Law[rlaw@demaximis.com]
From: Willard Potter
Sent: Fri 7/12/2013 5:07:40 PM
Subject: Fwd: Report of Activities from High Volume #2

Eugenia:

AECOM provided a summary of CWCM High Volume (HV) event #2 field activities below per your request.

Thx,
Bill P.

>>> "Durocher, Kristen" <kristen.durocher@aecom.com> 7/12/2013 11:52 AM >>>
This email provides an update of activities conducted on between Monday June 24 through Thursday June 27, 2013 to support the second high volume chemical water column monitoring sampling event.

Monday
The *West Cove* sampled at Newark Bay South. EPA oversight was on board the *MustDu* for oversight and tied up alongside the *West Cove*. An EPA split sample and 10-L post-PUF effluent samples were collected at Newark Bay South. EPA did not split the POC, DOC or SSC, but did split the post-PUF effluent samples (in 2 sets of 3x2.5-L bottles)
The *Osprey* sampled at Newark Bay Northeast. No QC samples were collected.

Tuesday
The *West Cove* sampled at the Kill van Kull. A field duplicate was collected. The sampling occurred on an incoming tide. Pumps were shut off as soon as the tide turned from flood to slack high. The *MustDu* served as a support vessel.
The *Osprey* stayed at Robbins Reef and an equipment blank sample was collected.

Wednesday
The *West Cove* sampled at RM 4.2. A field duplicate and an equipment blank were collected. The *Osprey* served as a support vessel.
The *MustDu* sampled above Dundee Dam. No QC samples were collected.

Thursday
The *West Cove* demobilized.
The *Osprey* sampled at RM 10.2. An EPA split and a 10-L post-PUF effluent sample were collected. EPA did not split the post-PUF effluent sample.

Sample Volumes
The projected sample volumes were based on minimum SSC concentrations from the Small Volume Events Routine #1 through 5, the Low Flow Event, the High Flow Event #1 and High Volume Event #1.

At Newark Bay South, the minimum historic SSC was 4 mg/L. The projected target sample volume of 500L was calculated using these data. The team achieved the target volume. 0.7 um flat filters were being changed at a fast rate (2 to 10 L between changes), and the team used both sets of glass wool cartridges. The target sample volume was revised to 400L, and flow rates on the carboys were adjusted accordingly to ensure consistent collection.

At Newark Bay Northeast, the minimum historic SSC was 5.2 mg/L. The projected target sample volume of 400L was calculated using these data. The team achieved the target volume.

At the Kill van Kull, the minimum historic SSC was 5.7 mg/L. The projected target sample volume of 350L was calculated using these data. The team was able to achieve 222 L before the tide turned. Flow rates on the carboys were continuously adjusted accordingly to ensure consistent collection.

At RM 10.2, the minimum historic SSC was 3.7 mg/L. The projected target sample volume of 550L was calculated using these data. The team achieved the target volume.

At RM 4.2, the minimum historic SSC was 9.6 mg/L. The projected target sample volume of 200L was calculated using these data. The team achieved the target volume.

Other Activities

A Health and Safety briefing was held on each vessel prior to leaving the dock.

On Monday, the AECOM field team leader discussed the heat with AECOM SH%E staff and the CWCM task manager. Upon discussion with dmi, it was agreed that, since the sampling was a closed system and there was little danger of splash hazard, the teams could wear shorts instead of full length pants.

On Thursday, one team member indicated feeling ill due to heat. She was evacuated off the sampling vessel. AECOM SH&E were consulted, and the team member was taken to the hospital for intravenous fluids. Dmi was notified on Friday morning.

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